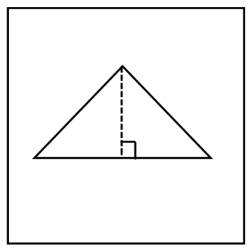
Name Class

Teacher Date

6.G.1

Mr. Wong has a square pool which has a triangular platform in the center. The pool measures 45 meters on a side. The base of the triangular platform is 2 meters long and its height is 1 meter.



**Part A**

What is the area of the pool that is covered by the triangular platform?

***Show your work.***

**Answer:**

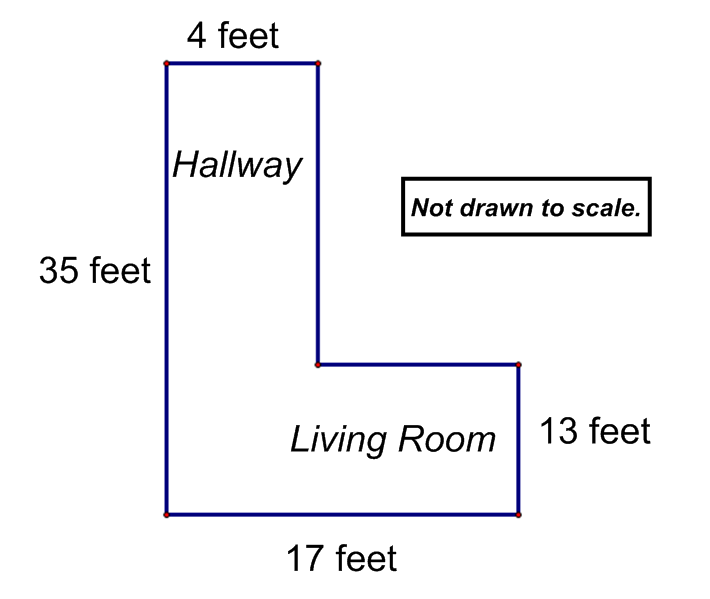
**Part B**

What is the area of the pool that is not covered by the triangular platform?

***Show your work.***

**Answer:**

Ms. Zheng is purchasing new carpet for her living room and hallway. The floor plan is shown below.



How much carpet does Ms. Zheng need to purchase?

***Show your work.***

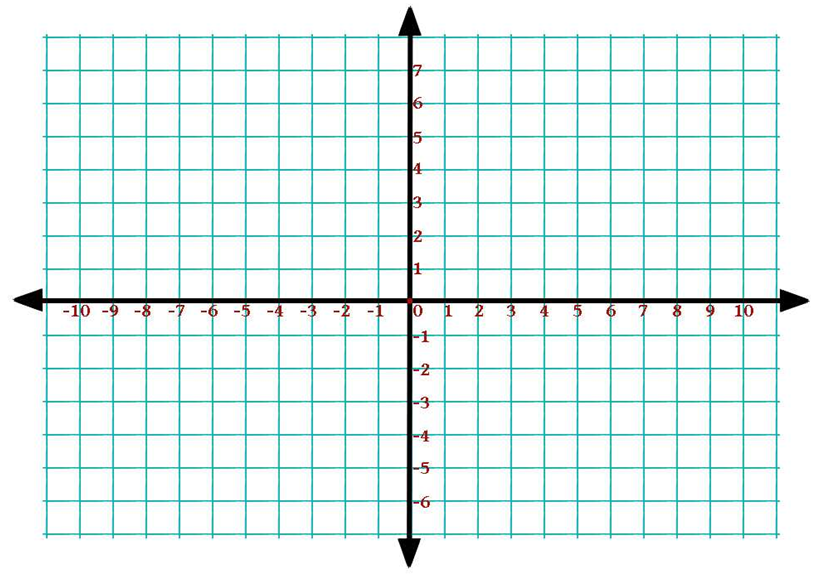
**Answer:**

6.G.3

**Part A**

Plot and label the points listed in the table below. Connect the points in the order they are listed.

|  |  |  |
| --- | --- | --- |
| ***Point*** | ***X*** | ***Y*** |
| ***A*** | 2 | 5 |
| ***B*** | 2 | -2 |
| ***C*** | -3 | -2 |
| ***D*** | -3 | 3 |



**Part B**

What is the name of this polygon?

**Answer:**

**Part C**

What is the length of side CD?

**Answer:**